

Ballast Water Treatment Technology Verification Through an Interagency / Private Partnership

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Collaborators

- U.S. Environmental Protection Agency
 - Water Quality Protection Center, ETV Program
- U.S. Coast Guard
 - Environmental Standards Division
- U.S. Navy
 - Naval Research Laboratory
- NSF International
 - Federal Programs Group, VPO for WQPC, ETV Program
- Battelle
 - Coastal Resources & Environmental Management Group
- Stakeholder Advisory Group
- Technology Panel
- Biological Support Group

BWT Protocol - Short History

- Initiated between EPA's ETV Program and U.S. Coast Guard in June, 2001
- Developed stakeholder advisory group
 - (provides general guidance and direction)
- Developed technology panel
 - (provides technology specific guidance and assistance in developing verification factors)
- Working draft of protocol in 2004
- Developed biological support group
 - (surrogate organism selection, large-scale culturing requirements, measurement methods)

BWT Protocol - Short History (cont.)

- Initiated research to determine most appropriate surrogates
 - (expose candidate organisms to representative treatment technologies 1/06)
- U.S. Coast Guard collaborates with NRL Key West to develop full-scale technology testing facility to be completed late 2005
 - (when complete, the facility will pilot test the protocol)
- Protocol revision to include information from pilot test and surrogates determination (3/2006)
- Initiate vendor technology testing (mid 2006)

Aquatic Invasive Species Now Arriving in a Port Near You



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